

3M™ Versaflo™ Premium S-Series Hood and Helmet Adapter Assembly S-960

Description

The 3M™ Versaflo™ Premium S-Series Hood and Helmet Adapter Assembly S-960 is used with certain 3M™ Versaflo™ S-Series Hoods and 3M™ Helmets to provide integrated respiratory, head, eye and face protection.



Approved Combinations

The approved combinations shown below that incorporate the S-960 Adapter have been tested and approved to EN 12941:1998 + A2:2008, EN 14594:2018, EN 397:2012 + A1:2012 and EN 166:2001. The Certificate and Declaration of Conformity are available at the following website www.3M.com/Respiratory/certs and www.3M.com/Welding/certs.

3M Personal Safety Division

Table 1: Approved Assembly Combinations

		S-960 Adapter Assembly				
3M™ Versaflo™ Powered Air Respirator TR-300+	with	3M™ Versaflo™ Chemical Hood S-805E	plus	3M™ Helmet G3000 or	equals	3M™ Versaflo™ Helmet in Chemical Hood S-865E
3M™ Versaflo™ Powered Air Respirator TR-600		3M™ Versaflo™ Hood with Inner Collar S-605		3M™ Helmet G3001 or		3M™ Versaflo™ Helmet in Hood S-665
3M™ Versaflo™ Powered Air Respirator TR-800		3M™ Versaflo™ Hood with Inner Shroud S-607		3M™ Helmet™ H700		3M™ Versaflo™ Helmet in Hood S-667
3M™ Powered Air Respirator PF-602E+		3M™ Versaflo™ Painter's Hood S-707		3M™ Versaflo™ Helmet in Hood S-767		
3M™ Versaflo™ Supplied Air Regulator V-500E						
3M™ Versaflo™ Cooling Valve V-100E						
3M™ Versaflo™ Heating Valve V-200E						

ⓘ IMPORTANT NOTE

Helmet models approved with ratchet suspensions but not with pinlock.

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Combinations are not approved for use with the 3M™ Backpack BPK-01.

Respiratory Classification and Protection Factors

Table 2: Respiratory Classification Chart

System			Standard	NPF	APF (UK)*	VGW (Germany)**
3M™ Versaflo™ Powered Air Respirator TR-300+	with	3M™ Versaflo™ Helmet in Chemical Hood S-865E	EN 12941:1998 + A2:2008 TH3	500	40	100
3M™ Versaflo™ Powered Air Respirator TR-600		3M™ Versaflo™ Helmet in Hood S-665				
3M™ Versaflo™ Powered Air Respirator TR-800		3M™ Versaflo™ Helmet in Hood S-667				
3M™ Powered Air Respirator PF-602E+		3M™ Versaflo™ Helmet in Hood S-767				
3M™ Versaflo™ Supplied Air Regulator V-500E	with	3M™ Versaflo™ Helmet in Chemical Hood S-865E	EN 14594:2018 3B***	200	40	100
3M™ Versaflo™ Cooling Valve V-100E		3M™ Versaflo™ Helmet in Hood S-665				
3M™ Versaflo™ Heating Valve V-200E		3M™ Versaflo™ Helmet in Hood S-667				
		3M™ Versaflo™ Helmet in Hood S-767				

Note: The Nominal Protection Factor (NPF) is a number derived from the maximum percentage of total inward leakage permitted in relevant European Standards for a given class of respiratory protective device. This may not be the level of respiratory protection that can be realistically expected in the workplace by wearers. Many countries apply Assigned Protection Factors (APFs) for example UK and Germany. Employers may apply a value lower than the NPF/APF if deemed applicable. Please refer to EN 529:2005 and National workplace protection guidance for application of these numbers in the workplace. Please contact 3M for further information.

*APF = Assigned Protection Factor (For information on APFs, see HSE document HSG53).

**VGW = Protection level according to DGUV-R 112-190.

*** The headtops meet the higher strength (B) requirements of EN 14594:2018. They are approved for use with a range of compressed air supply tubes that meet both the lower and higher strength (A and B) requirements. If used with a compressed air supply tube that meets the A requirement, then the A classification shall apply to the system.

Helmet Classification

When fitted with the S-960 Adapter and S-Series hood, the helmet meets the mechanical requirements of EN 397:2012+A1:2012 for impact and penetration when conditioned to -10°C.

Conditioning at -30°C has not been carried out, and therefore the requirements for very low temperature shock absorption (-30°C) are not met.

The requirements for electrical properties (440Vac) that apply to G3001, and molten metal (MM) requirements that apply to the G3000 and G3001, have also not been tested. These products must not be used in environments where these requirements are needed.

Eye and Face Classification

Refer to the S-Series Technical Datasheet for classifications according to EN 166:2001.

Materials

Polyketone

Cleaning Information

For cleaning the S-960 adapter, a clean cloth or sponge dampened with a mild solution of water and liquid household soap may be used to wipe down the adapter strap, air duct, and other plastic parts. The adapter components should be air dried before storage or reuse. If liquid enters the air duct, ensure it is thoroughly dry before storage or reuse.

DO NOT:

- Use detergents that contain lanolin or other oils
- Wipe the adapter components with strong solvents such as MEK, acetone, bleach, or toluene as those may damage or distort the adapter
- Soak components in cleaning solutions or solvents
- Wash in a washing machine or respirator washer
- Use sterilization processes such as ethylene oxide, radiation and steam sterilization, as they may damage components

For cleaning guidance for the helmets and S-Series hoods, please read and follow the appropriate User Instructions for information regarding those components.

Storage Conditions

-30°C to 49°C < 90%RH

Operating Conditions

-10°C to 49°C (unless limited by other components of the system)

Shelf Life

5 years

(The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as a warranty.)

IMPORTANT NOTE

3M recommends a maximum life (shelf life plus in use life) of 5 years from the date of manufacture. This may be different for the helmet and the S-Series hood. Please refer to these products' user instructions for more information.

Important Notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.



Personal Safety Division

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3M PSD products are
occupational use only.

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